

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) A ~~V~~yapor retarder for indoor sealing of buildings, especially roof structures, with at least one barrier layer (1) retarding the passage of moisture vapor, especially water vapor, said barrier layer being formed from a material with moisture-adaptive water vapor diffusion resistance, said material changing its diffusion resistance as a function of ambient moisture, characterized by the fact that the vapor retarder has at least one layer (EMF layer)-(2), which is formed so as to be permeable to diffusion.
2. (Currently amended) The ~~V~~yapor retarder of claim 1, ~~wherein characterized by the fact that the electromagnetic-field- shielding layer (2)~~ is connected to the barrier layer (1) such that it is diffusion-permeable.
3. (Currently amended) The ~~V~~yapor retarder of claim 1, ~~wherein any of the previous claims, characterized by the fact that the electromagnetic-field-shielding layer (2)~~ is in the form of an electrically conducting layer and/or in the form of a magnetic-shielding layer.
4. (Currently amended) The ~~V~~yapor retarder of claim 1, ~~wherein any of the previous claims, characterized by the fact that the electromagnetic-field-shielding layer comprises a laminated, electrically conducting non-woven, an especially bonded metal lattice, a printed layer of electrically conducting coatings, a vapor-deposited layer of electrically conducting substances, a nonwoven doped with a μ-metal, a metal whisker layer or a vapor-deposited layer of magnetically shielding substances.~~
5. (Currently amended) The ~~V~~yapor retarder of claim 1, ~~wherein any of the previous claims, characterized by the fact that the electromagnetic-field-shielding layer (2)~~ is incorporated into the barrier layer (1, 1"), especially embedded into at least two barrier layers.

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6. (Currently amended) The vapor retarder of claim 1, wherein any of the previous claims, characterized by the fact that the layer electromagnetic-field-shielding layer (2) protrudes at least partially, especially at a side edge, beyond the barrier layer to connect with the adjacent vapor retarders.
7. (Currently amended) The vapor retarder of claim 1, wherein any of the previous claims, characterized by the fact that at least on one side provision is made in the edge region for apertures (6) that serve to make connection with adjacent vapor retarders, especially via incorporated adhesives..
8. (Currently amended) The vapor retarder of claim 1, wherein any of the previous claims, characterized by the fact that the vapor retarder further has at least one preferentially diffusion-permeable reinforcement and/or protective layer (5).
9. (Currently amended) The vapor retarder of claim 1, wherein any of the previous claims, characterized by the fact that the reinforcement or protective layer (5) comprises a nonwoven based on polyethylene terephthalate (PET) or fiberglass.
10. (Currently amended) The vapor retarder of claim 1, wherein any of the previous claims, characterized by the fact that the layers (1,2,5) are firmly connected to each other by an especially diffusion-permeable binder layer (3).
11. (Currently amended) The vapor retarder of claim 10, wherein characterized by the fact that the especially diffusion-permeable binder layer (3) is punctiform, network-like or is a full-surface layer of very low thickness.

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12. (Currently amended) The vapor retarder of claim 1, wherein any of the previous claims, characterized by the fact that a polyethylene (PE) adhesive is intended as the binder for connecting the layers (1, 2, 5).
13. (Currently amended) The vapor retarder of claim 1, wherein any of the previous claims, characterized by the fact that the material of barrier layer (1) with moisture-regulating water-vapor diffusion resistance has a water vapor diffusion resistance S_D value of 2 to 5 m diffusion-equivalent air layer thickness at a relative air humidity in the range of 30% to 50% in the atmosphere surrounding the vapor retarder and a water vapor diffusion resistance S_D value that is < 1 m diffusion-equivalent air layer thickness at a relative air humidity in the range 60% to 80%.
14. (Currently amended) The vapor retarder of claim 1, wherein any of the previous claims, characterized by the fact that the vapor retarder and/or the individual layers (1, 2, 5), such as barrier layer, EMP-shielding layer and reinforcement or protective layer are formed as a film.
15. (Currently amended) The vapor retarder of claim 1, wherein any of the previous claims, characterized by the fact that the barrier layer is formed of polyamide 66, polyamide 6, polyamide 4 or polyamide 3.